

To: Sayles, Gregory[Sayles.Gregory@epa.gov]
From: Garland, Jay
Sent: Wed 11/22/2017 1:47:30 AM
Subject: Fwd: WaterGen T&E Questions

Are you in tomorrow to discuss?

Sent from my iPhone

Begin forwarded message:

From: "Weber, Josh" <Weber.Josh@epa.gov>
Date: November 21, 2017 at 5:17:57 PM EST
To: "Garland, Jay" <Garland.Jay@epa.gov>
Cc: "Goodrich, James" <Goodrich.James@epa.gov>, "Corn, Ruth" <Corn.Ruth@epa.gov>
Subject: RE: WaterGen T&E Questions

Jay,

Can you provide some insight into what you are trying to accomplish with WaterGen and whether or not support is expected from the APTIM contract staff at T&E? Jim mentioned a CRADA you have with WaterGen and analysis of the generated water but that is all I know.

Josh Weber

Facility Manager

Environmental Compliance Officer

US EPA National Risk Management Research Laboratory

26 W. Martin Luther King Drive

Cincinnati OH 45268

513.569.7845

From: Garland, Jay
Sent: Tuesday, November 21, 2017 5:00 PM
To: Schupp, Don <Don.Schupp@aptim.com>
Cc: Goodrich, James <Goodrich.James@epa.gov>; Weber, Josh <Weber.Josh@epa.gov>; radha.krishnan <Ex. 4 - CBI>; Meiners, Greg <Ex. 4 - CBI>
Subject: RE: WaterGen T&E Questions

A question from watergen.

The power we need is:

Ex. 4 - CBI

Ex. 4 - CBI

We like to know the connector type and how long the cabal should be.

Can you provide a response?

From: Schupp, Don <Ex. 4 - CBI>
Sent: Tuesday, November 21, 2017 12:56 PM
To: Garland, Jay <Garland.Jay@epa.gov>
Cc: Goodrich, James <Goodrich.James@epa.gov>; Weber, Josh <Weber.Josh@epa.gov>; radha.krishnan <Ex. 4 - CBI>; Meiners, Greg <Ex. 4 - CBI>
Subject: RE: WaterGen T&E Questions

Jay,

I spoke with our electrician (Gary Lubbers). He said that we have sufficient power at the T&E Facility to power the WaterGen unit. With **Ex. 4 - CBI** we will need approximately **Ex. 4 - CBI** and we can go as high as **Ex. 4 - CBI** amps. We will need to see if they need either **Ex. 4 - CBI** and the specific connector that they have, but it should be doable.

Also, as we discussed, the T&E highbay is heated in the winter to approximately Ex. 4 - CBI but I believe that EPA Facilities controls that temperature. It is not ever cooled or humidity controlled. We have two large environmental chambers in the highbay, but they have not been actively used (temperature or humidity controlled) for about 10 years and need significant work to get in operating condition.

Please let us know if you have any questions, and we look forward to seeing the unit at T&E.

Don



Don Schupp, P.E.

Ex. 4 - CBI

From: Krishnan, Radha

Sent: Tuesday, November 21, 2017 10:51 AM

To: Meiners, Greg Ex. 4 - CBI Schupp, Don <

Ex. 4 - CBI

Subject: Fwd: WaterGen T&E Questions

Can either of you touch base with Jay Garland in my absence? Thanks.

Sent from my iPhone

Begin forwarded message:

From: "Goodrich, James" <Goodrich.James@epa.gov>
Date: November 21, 2017 at 10:05:51 AM EST
To: "Garland, Jay" <Garland.Jay@epa.gov>
Cc: "Weber, Josh" <Weber.Josh@epa.gov>, "radha.krishnan" <Radha.Krishnan@epa.gov>, "Ernst, Hiba" <Ernst.Hiba@epa.gov>
Subject: WaterGen T&E Questions

Hi Jay,

For electrical and other HVAC issues I would refer you to Radha. Gary Lubbers on his staff should be able to handle such questions. In regards to humidity control, there is the Environmental Chamber (phytoremediation projects) that might be able to conduct experiments with different humidity levels, although I'm not sure the medium size WaterGen unit would fit through the door.

Jim

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*James A. Goodrich, Ph.D.*

Sr. Science Advisor

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